

AMENDMENTS TO THE CLAIMS

In the Claims, please amend claims 7-11 and 24 as follows:

7. (currently amended) A composition containing a labile disulfide bond for inserting into an organism, comprising: a disulfide bond, ~~wherein located between~~ at least two ~~reactable~~ reactive groups, ~~at least one on each side of the disulfide bond, that~~ have reacted to form a covalent bonds with ~~one or more different~~ molecules on each side of the disulfide bond, ~~such that wherein the~~ disulfide bond ~~remains is~~ labile ~~under physiologic conditions~~ and is cleaved more rapidly than oxidized glutathione; ~~wherein~~ and cleavage of the disulfide bond results in the formation of two molecules.

8. (currently amended) The ~~compound~~ composition of claim 7 wherein the ~~compound~~ composition is amphipathic.

9. (currently amended) The ~~compound~~ composition of claim 7 wherein the ~~compound~~ composition comprises a polymer.

10. (currently amended) The ~~method~~ composition of claim 7 wherein the ~~polymer~~ composition is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.

11. (currently amended) The ~~method~~ composition of claim 7 wherein the ~~compound~~ composition contains a ligand.

24. (currently amended) A composition for inserting into an organism, comprising: a disulfide bond that is activated by intramolecular attack from a free thiol such that it is cleaved more rapidly than oxidized glutathione wherein at least two reactable groups, at least one on each side of the disulfide bond, have reacted to form a covalent bonds with ~~one or more molecules, at least one molecule on each side of the disulfide bond, such that~~ cleavage of the disulfide bond is ~~cleaved more rapidly than oxidized glutathione and is activated by intramolecular attack from a free thiol resulting results~~ in the formation of two molecules.

25. (previously amended) The composition of claim 24 wherein the composition is amphipathic.

26. (previously amended) The composition of claim 24 wherein the composition comprises a polymer.

27. (previously amended) The composition of claim 26 wherein the polymer is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.

28. (previously amended) The composition of claim 24 wherein the composition contains a ligand.

AMENDMENTS TO THE SPECIFICATION

Sequence Listing:

The specification has been amended to include a sequence listing for the sequence found in the specification. A sequence listing paper copy has been submitted with this amendment, as an additional sheet to the specification, to be inserted before the claims. A computer readable form has also been submitted and it is the same as the paper copy that has been added. Additionally, the specification has been amended according to the attached specification replacement sheet. The sheets do not include new matter.

Priority

The specification has been amended to include a sentence providing for a specific claim of priority. The specification has been amended according to the attached specification replacement sheet. The sheet does not include new matter.